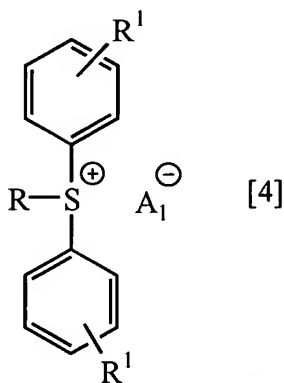


IN THE ABSTRACT OF THE DISCLOSURE:

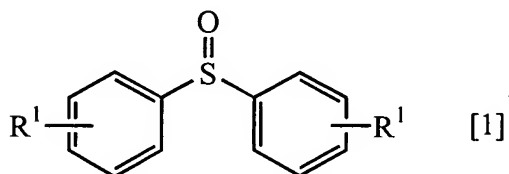
~~An object of the present invention is to provide a method for effectively producing a triarylsulfonium salt having a structure that only one aromatic ring of three aromatic rings on the cation portion thereof is different from the other two aromatic rings (hereinafter, abbreviated as a triarylsulfonium salt relating to the present invention) in a high yield without forming any byproduct. The present invention relates to a~~ A ~~method for producing a triarylsulfonium salt represented by the general formula [4]:~~



wherein, ~~two R¹'s represent each~~ R¹ represents hydrogen [[atom]], halogen [[atom]], alkyl [[group]], haloalkyl ~~group having 1 to 4 carbon atoms~~, alkoxy [[group]], acyl [[group]], hydroxyl [[group]], amino [[group]], nitro [[group]] or cyano [[group]]; R represents an aryl [[group]] which may have a substituent ~~selected from a halogen atom, an alkyl group, a haloalkyl group having 1 to~~

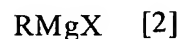
~~4 carbon atoms, an alkoxy group, an alkylthio group, a N-~~
~~alkylcarbamoyl group and a carbamoyl group, and the above~~
~~substituent is~~ different from one represented by ~~the above~~ R¹; and
A¹ represents a strong acid residue,

comprising reacting a diaryl sulfoxide represented by ~~the~~
~~general~~ formula [1]:



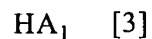
wherein, R¹ represents the same as above,

and an aryl Grignard reagent represented by ~~the general~~
formula [2]:



wherein, X represents a halogen [[atom]]; R represents the
same as above,

in the presence of an activator with high affinity for oxygen
of 3 to 7.5 equivalents relative to the above diaryl sulfoxide, and
then reacting the resultant reaction mixture with a strong acid
represented by ~~the general~~ formula [3]:



wherein, A¹ represents the same as above,

U.S. National Stage of
PCT/JP2004/014604
PRELIMINARY AMENDMENT

PATENT

——— or a salt thereof.